

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number
WO 2005/033279 A3

(51) International Patent Classification⁷: C07C 33/18,
33/34, 39/00, A61K 31/045

(21) International Application Number:
PCT/US2004/031940

(22) International Filing Date:
29 September 2004 (29.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/507,196 29 September 2003 (29.09.2003) US

(71) Applicant (for all designated States except US): UNI-
VERSITY OF VIRGINIA PATENT FOUNDATION
[US/US]; 1224 West Main Street, Suite 1-110, Char-
lottesville, VA 22903 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROWN, Milton,
L. [US/US]; 614 Nettle Court, Charlottesville, VA 22903
(US). SCHENCK, Hilary, A. [US/US]; 4030 Old Orchard
Road, York, PA 17402 (US).

(74) Agent: SPARKS, Rodney, L.; University of Virginia
Patent Foundation, 1224 West Main Street, Suite 1-110,
Charlottesville, VA 22903 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
9 June 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DISCOVERY OF NOVEL SOLUBLE CRYSTALLINE ANESTHETICS

(57) Abstract: The invention discloses compounds derived from propofol which have greater aqueous solubility than propofol and are useful as anesthetic agents. The invention further discloses methods of preparing compounds of the invention. The invention also discloses methods of inducing anesthesia in a subject by administering compounds of the invention to the subject.



WO 2005/033279 A3